

Table A-7
TOCDF Brine Reduction Area Emission Rates

ANALYTE	MAXIMUM TOCDF EMISSION										MODIFIER FOR UPSET CONDITIONS ⁽²⁾	iRAP-h EMISSION RATE ⁽³⁾ (g/s)	
	RUN #1 (g/sec)	BL ⁽¹⁾	RUN #2 (g/sec)	BL ⁽¹⁾	RUN #3 (g/sec)	BL ⁽¹⁾	Mean (g/sec)	RATE (g/s)	Standard (g/s)	95% Deviation (g/s)	Final Emission (g/s)		
Volatile Organic Compounds													
Acetone	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bromodichloromethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bromoform	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bromomethane (Methyl Bromide)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Butanone (MEK)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Carbon Disulfide	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Carbon Tetrachloride	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chlorodibromoethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chloroethane (Ethyl Chloride)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chloroform	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chloromethane (Methyl Chloride)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Dibromomethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Dichlorodifluoromethane (Freon 12)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1-Dichloroethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2-Dichloroethane (EDC)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1-Dichloroethene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
trans-1,2-Dichloroethylene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2-Dichloropropane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
cis-1,3-Dichloropropene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
trans-1,3-Dichloropropene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Ethylbenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Iodomethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Methylene Chloride	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Styrene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1,2,2-Tetrachloroethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Tetrachloroethene (PCE)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Toluene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1,1-Trichloroethane (TCA)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1,2-Trichloroethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Trichloroethene (TCE)	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2,3-Trichloropropane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Trichlorofluoromethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Vinyl Chloride	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
m,p-Xylene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
o-Xylene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Total Xylenes	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
VOC Subtotals							0.0E+00	0.0E+00	0.0E+00			0.0E+00	

Table A-7
TOCDF Brine Reduction Area Emission Rates

ANALYTE	MAXIMUM TOCDF EMISSION										MODIFIER FOR UPSET CONDITIONS ⁽²⁾	iRAP-h EMISSION RATE ⁽³⁾ (g/s)	
	RUN #1 (g/sec)	BL ⁽¹⁾	RUN #2 (g/sec)	BL ⁽¹⁾	RUN #3 (g/sec)	BL ⁽¹⁾	Mean (g/sec)	RATE (g/s)	Standard (g/s)	95% UCL (g/s)	Final Rate (g/s)		
Semi-volatile Organic Compounds													
Acenaphthene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Acenaphthylene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Acetophenone	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Aminobiphenyl	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3-Amino-9-ethylcarbazole	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Aniline	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Anthracene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Aramite	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzidine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzolic acid	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzo (a) anthracene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzo (b) fluoranthrene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzo (j) fluoranthene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzo (g,h,i) perylene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzo (a) pyrene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzo (e) pyrene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzyl alcohol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
bis(2-Chloroethoxy)-methane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
bis(2-Chloroethyl) ether	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
bis(2-Ethylhexyl)-phthalate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Bromophenyl phenyl ether	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Butyl benzyl phthalate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Chloraniline	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Chloro-3-methylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Chloronaphthalene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Chloronaphthalene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Chlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Chlorophenyl phenyl ether	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chrysene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Dibenz(a,h)anthracene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Dibenz(a,j)acridine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Dibenzofuran	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Di-n-butyl phthalate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Di-n-octyl phthalate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2-Dichlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,3-Dichlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,4-Dichlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3,3'-Dichlorobenzidine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,4-Dichlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,6-Dichlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Diethyl phthalate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
p-Dimethylaminobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
7,12-Dimethylbenz(a)-anthracene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
a,a-Dimethylphenethyl-amine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,4-Dimethylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Dimethyl phthalate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4,6-Dinitro-2-methylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,4-Dinitrophenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,4-Dinitrotoluene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Diphenylamine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Ethyl methanesulfonate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Fluoranthene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Fluorene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Hexachlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Hexachlorobutadiene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Hexachloroethane	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Indeno(1,2,3-cd)pyrene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Ispophore	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3-Methylcholanthrene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Methyl methanesulfonate	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Methylnaphthalene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Methylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Methylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3/4-Methylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Naphthalene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Naphthylamine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Naphthylamine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Nitroaniline	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3-Nitroaniline	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Nitroaniline	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Nitrobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Nitrophenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Nitrophenol	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
N-Nitroso-di-n-butylamine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
N-Nitrosodimethylamine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00					

Table A-7
TOCDF Brine Reduction Area Emission Rates

Pentachlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Phenacetin	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Phenanthrene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Phenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2-Picoline	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Pronamide	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Pyrene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,4,5-Tetrachlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,6-Tetrachlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,4-Trichlorobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,4,5-Trichlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,4,6-Trichlorophenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,4,6-Trimitrotoluene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
SVOC Subtotals						0.0E+00	0.0E+00					0.0E+00

Table A-7
TOCDF Brine Reduction Area Emission Rates

ANALYTE	RUN #1	RUN #2		RUN #3		Mean (g/sec)	MAXIMUM TOCDF EMISSION RATE (g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	MODIFIER FOR UPSET BL ⁽¹⁰⁾	iRAP-h EMISSION RATE ⁽²⁾ (g/s)
	(g/sec)	BL ⁽¹⁾	(g/sec)	BL ⁽¹⁾	(g/sec)							
Tentatively Identified Compounds												
(Carbethoxyethylidene) triphenyl phosphorane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
0,0,0-Triethylphosphorotriate	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1,2-Tetrachloroethane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,1,2-Trichlorotrifluoroethane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2-Benzene dicarboxylic Acid (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2-Dibromoethane (Ethylene Dibromide)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,2-Diphenylhydrazine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,3,5-Trinitrobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,3-Butadiene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,3-Dinitrobenzene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,4-Butanediol (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,4-Dichloro-2-butene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1,4-Naphthoquinone	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Decene, 2,4-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Hexadecanol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Octanol, 2-butyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Propanol, 2-(2-methoxy-1-methylethoxy)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
1-Propen-1-one, 2-methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,2-Dimethoxybutane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,4,6-Tribromotoluene (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2,4-dimethyl-1-heptene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Acetylaminofluorene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Butanone, 4-Acetoxy (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Chloropropane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Cyclohexene-1-one, 3,5-Dimethyl (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Decanal, (Z)-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Fluoro-6-nitrophenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Hexanone	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Methyl-5-nitroaniline	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Naphthalenecarbonaldehyde	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Pentene, 3,4,4-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Propand	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-sec-Butyl-4,6-dinitro-phenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
2-Tolidine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3,3'-Dimethylbenzidine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3-Methylphenol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3-Nonen(e.c.t.)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
3-Penten-2-one, 4-methyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4,4'-DDE	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Hydroxy-4-methyl-2-pentanone	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Methyl-2-pentanone (MIBK)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
4-Nitroquinoline-1-oxide	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
5-Nitroacenaphthene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
5-Nitro-o-toluidine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Acetic acid, (triphenylphosphor-anhydride)-met	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Acetic anhydride	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Acetophenone	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzaldehyde	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzene, (1-methylethyl)-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzene, propyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzenthol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzonitrile	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Benzylaldehyde, ethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bezene,1,2,3-trichloro-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bezene,1,2,3-trimethyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bezene,ethyl-methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bezene,propyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
bis(2-Chloroisopropyl)Ether	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
bis(2-Ethylhexyl)adipate	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Bromoethane (Vinyl Bromide)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Butanoic acid, 2-methyl-, methyl ester	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Butanoic acid, propyl ester	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Butonic acid, methyl ester	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
C3-Naphthalene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Carbonyl Sulfide	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Chlorobenzilate	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
cis-1,4-Dichloro-2-butene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, 1-methyl-2-propyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, Pentyl (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, 1,2,3, trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, 1,2,3-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, butyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, diethyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8
Cyclohexane, methyl-propyl-	0.0E+											

Table A-7
TOCDF Brine Reduction Area Emission Rates

Decane,2,6,6-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Decane,2,6,8-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Decane,3-methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Decane,4-methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Decanol, 2-ethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Diallate	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dibromochloromethane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Diethylene glycol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dihydrosafole	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Diisopropyl methyl phosphonate	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dioxathion	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dodecane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dodecane 2-cyclohexyl-, 2-cyclohexyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Eryculamide	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Ethanol, 2-(2-Butoxyethoxy)- (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Ethyl parathion	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Furan, tetrahydro-2,5-dimethyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Ethybenzene (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptachlor	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptacosane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptadecane, 7-methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,2,4-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,2,5,5-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,3,3,5-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,3,4-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,3-ethyl-2methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,4-ethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,4-ethyl-2,2,6,6-tetra	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Heptane,5-ethyl-2,-methyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexachlorophene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexachloropropene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexacosane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexadecane,2,6,10,14-tetramet	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexadecanoic acid	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Xanoic Acid (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Xanoic Acid, 2-Ethyl- (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexatricontane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Xanoic Acid, -Ethyl- (TIC)	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Isoesfrols	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Methane,tribromo-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Methylenylene	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Methoxychlor	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Methyl cyclohexane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Methyl nitrite	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
N,N'-Diisopropylcarbodiimide	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Naphthalene,decahydro,trans	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
n-Decane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
n-Hexane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nitrous, acid, methyl ester	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
N-Nitrosoethylamine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
N-Nitrosomethylamine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
N-Nitrosomorpholine	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
N-Nitrosopyridoline	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonacosane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonane,2,6-dimethyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonane,2-methyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonane,3-methyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonane,4-methyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Nonanol	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octacosane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octadeconoic acid	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octane,2,2,6-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octane,2,5,6-trimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octane,2,5-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octane,3,3-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octane,3,5-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Octane,3,6-dimethyl-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Oxirane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Pentachloroethane	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Phenol, 2-(2H-benzotriazol-2-yl)4-methyl	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Phenol, 3-fluoro-4-nitro-	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Phenol,4,4'-butylene bis [2-[1-dimethylethyl]]	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
p-Phenylenediamine	0.0E+00</												

Table A-7
TOCDF Brine Reduction Area Emission Rates

ANALYTE	MAXIMUM TOCDF EMISSION RATE										MODIFIER FOR UPSET	iRAP-h EMISSION RATE ⁽³⁾		
	RUN #1 (g/sec)	BL ⁽¹⁾	RUN #2 (g/sec)	BL ⁽¹⁾	RUN #3 (g/sec)	BL ⁽¹⁾	Mean (g/sec)	(g/s)	Standard Deviation (g/s)	95% UCL (g/s)	Final Emission Rate (g/s)	BL ⁽¹⁰⁾	CONDITIONS ⁽²⁾	
Miscellaneous Analytes														
Agent GB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Chlorine	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	1.45	0.0E+00
HCl	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	1.45	0.0E+00
HF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	0.0E+00	
Nitroglycerin	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Semi-Volatile TO	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Non-Volatile TO	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Volatile TO	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Particulate Matter	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	1.45	0.0E+00
RDX	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
HMX	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dioxins and Furans														
2,3,7,8-TCDD	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
TCDD ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,7,8-PeCDD	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
PeCDD ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,4,7,8-HxCDD	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,6,7,8-HxCDD	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,7,8,9-HxCDD	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexa CDD ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,4,6,7,8-HpCDD	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hepta CDD ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
OCDD ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,7,8-TCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
TCDF ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,7,8-PeCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,7,8-PeCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Penta CDF ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,4,7,8-HxCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,6,7,8-HxCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,6,7,8-HxCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,7,8,9-HxCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hexa CDF ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,4,6,7,8-HpCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
1,2,3,4,7,8,9-HpCDF	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Hepta CDF ⁽⁴⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
OCDF ⁽⁵⁾	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Dioxin and Furan Subtotals														
							0.0E+00		0.0E+00		0.0E+00		0.0E+00	
PCB														
Total monochlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total dichlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total trichlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
3,3',4,4'-TetraCB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total Tetrachlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,4',5-Penta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,3',4,4'-Penta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,4',5-Penta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,4',5-Penta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
3,3',4,4',5-Penta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total Pentachlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,3',4,4',5-Hexa CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,3',4,4',5-Hexa CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,4,4',5,5'-Hexa CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
3,3',4,4',5,5'-Hexa CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total Hexachlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,3,3',4,4',5-Hepta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,2,3,3',4,4',5-Hepta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
2,2,3,3',4,4',5-Hepta CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total Octachlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Total Nonachlorobiphenyls	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
Deca CB	0.0E+00	S	0.0E+00	S	0.0E+00	S	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	S	2.8	0.0E+00
PCB Subtotals														
							0.0E+00		0.0E+00		0.0E+00		0.0E+00	

Table A-7
TOCDF Brine Reduction Area Emission Rates

ANALYTE METALS	MAXIMUM TOCDF EMISSION										MODIFIER FOR UPSET	iRAP-h EMISSION RATE ⁽³⁾	
	RUN #1 (g/sec)	BL ⁽¹⁾	RUN #2 (g/sec)	BL ⁽¹⁾	RUN #3 (g/sec)	BL ⁽¹⁾	Mean (g/sec)	RATE (g/s)	Standard (g/s)	95% Deviation (g/s)	Final Emission (g/s)		
Aluminum	1.0E-03	Y	8.9E-04	Y	7.9E-04	Y	8.9E-04	1.0E-03	1.1E-04	1.1E-03	1.0E-03	Y	1.45
Antimony	8.8E-06	N	9.6E-06	N	8.5E-06	N	9.0E-06	9.6E-06	5.7E-07	9.9E-06	9.6E-06	N	1.45
Arsenic	8.2E-06	N	8.3E-06	N	7.9E-06	N	8.1E-06	8.3E-06	2.1E-07	8.5E-06	8.3E-06	N	1.45
Barium	9.1E-06	Y	3.8E-06	Y	9.0E-06	Y	7.3E-06	3.0E-06	9.1E-06	1.2E-05	9.1E-06	Y	1.45
Beryllium	4.1E-06	N	4.2E-06	N	4.0E-06	N	4.1E-06	4.2E-06	1.0E-07	4.3E-06	4.2E-06	N	1.45
Boron	1.5E-04	Y	2.4E-04	Y	1.3E-04	Y	1.7E-04	2.4E-04	5.9E-05	2.7E-04	2.4E-04	Y	1.45
Cadmium	5.9E-06	Y	5.6E-06	Y	4.2E-06	Y	5.2E-06	5.9E-06	9.1E-07	6.8E-06	5.9E-06	Y	1.45
Chromium	1.8E-05	Y	1.7E-05	Y	6.9E-06	Y	1.4E-05	1.8E-05	6.1E-06	2.4E-05	1.8E-05	Y	1.45
Hexavalent Chromium	1.8E-05	I	1.7E-05	I	6.9E-06	I	1.4E-05	1.8E-05	6.1E-06	2.4E-05	1.8E-05	I	1.45
Cobalt	4.1E-06	N	4.2E-06	N	4.0E-06	N	4.1E-06	4.2E-06	1.0E-07	4.3E-06	4.2E-06	N	1.45
Copper	5.9E-06	Y	3.9E-06	Y	1.3E-06	Y	3.7E-06	5.9E-06	2.3E-06	7.6E-06	5.9E-06	Y	1.45
Lead	1.4E-04	Y	1.2E-04	Y	5.0E-05	Y	1.0E-04	1.4E-04	4.7E-05	1.8E-04	1.4E-04	Y	1.45
Manganese	8.1E-05	Y	8.3E-05	Y	1.5E-04	Y	1.0E-04	1.5E-04	3.9E-05	1.7E-04	1.5E-04	Y	1.45
Mercury	2.5E-05	N	1.1E-05	N	2.1E-05	N	1.9E-05	2.5E-05	7.2E-06	3.1E-05	2.5E-05	N	1.45
Nickel	8.1E-06	Y	8.9E-06	Y	2.6E-06	Y	6.5E-06	8.9E-06	3.4E-06	1.2E-05	8.9E-06	Y	1.45
Phosphorus	4.5E-02	Y	2.6E-02	Y	1.6E-02	Y	2.9E-02	4.5E-02	1.5E-02	5.4E-02	4.5E-02	Y	1.45
Selenium	8.1E-06	N	8.3E-06	N	7.9E-06	N	8.1E-06	8.3E-06	2.0E-07	8.4E-06	8.3E-06	N	1.45
Silver	2.1E-06	Y	2.1E-06	N	2.0E-06	N	2.1E-06	2.1E-06	5.8E-08	2.2E-06	2.1E-06	Y	1.45
Thallium	4.1E-06	N	4.2E-06	N	4.0E-06	N	4.1E-06	4.2E-06	1.0E-07	4.3E-06	4.2E-06	N	1.45
Tin	9.8E-05	N	1.0E-04	N	9.5E-05	N	9.8E-05	1.0E-04	2.5E-06	1.0E-04	1.0E-04	N	1.45
Vanadium	2.1E-05	N	2.1E-05	N	2.0E-05	N	2.1E-05	2.1E-05	5.8E-07	2.2E-05	2.1E-05	N	1.45
Zinc	2.8E-04	Y	3.0E-04	Y	2.2E-04	Y	2.7E-04	3.0E-04	4.2E-05	3.4E-04	3.0E-04	Y	1.45
Metals Subtotals							3.1E-02	4.7E-02		4.7E-02		6.8E-02	

TOE Analysis g/s

Subtotal TIC	0.00E+00
Subtotal Dioxin and Furans	0.00E+00
Subtotal PCB	0.00E+00
Subtotal OC	0.00E+00
Subtotal Semivolatiles	0.00E+00
Subtotal Agent	0.00E+00
Total Identified Compounds	0.00E+00

TOTOTAL = TOVoc+TOSvoc+TOGRAV

TOE Modifier 0.00E+00

(No TO Data)

Notes:

BL Boolean
CDD chlorodibenzo(p)dioxin
CDF chlorodibenzofuran
FOB Fuel only burn
g/sec Grams per second
GB Isopropyl methylphosphonofluoride
HCl Hydrogen chloride
H Bis(2-chloro ethyl) sulfide
HF Hydrogen fluoride
HpCDD Heptachlorodibenzo(p)dioxin

HxCDD Hexachlorodibenzo(p)dioxin
HxCDF Hexachlorodibenzofuran
IRAP-h Industrial Risk Assessment Program-Health
MAX Maximum
OCDD Octachlorodibenzo(p)dioxin
OCDF Octachlorodibenzofuran
PeCDD Pentachlorodibenzo(p)dioxin
PeCDF Pentachlorodibenzofuran
QA/QC Quality assurance and quality control

SVOC Semivolatile organic compounds
TCDD Tetrachlorodibenzo(p)dioxin
TCDF Tetrachlorodibenzofuran
TIC Tentatively identified compounds
TO Total organics
TOCDF Toole Chemical Demilitarization Facility
TOE Total organic emission
UCL Upper confidence level
VOC Volatile organic compounds
VX O-ethyl-S-[2-(disopropylaminoethyl]-methyl phosphonothioate

1 In the Boolean column, the "N" citation denotes that the analyte was not detected in any component of the referenced sample train.

The "Y" citation denotes that the analyte was detected in one or more components of the referenced sample train.

The "X" citation indicates that the analyte was not included in the analysis for this agent trial burn or test burn.

2 Upset factors were based on the *TOCDF Incinerator Upset Conditions Estimate for 1998 Process Data Acquisition and Recording System Review* (EG&G 1999b). The emission rate multipliers are based on the percent of time each incinerator operates at non-peak performance (upset conditions). EG&G analyzed TOCDF facility operating records and data for the MPF, DFS, LIC1, and LIC2. These factors are derived by assuming that COPC emission rates during process upsets are 10 times greater than COPC emission rates measured during the trial burn test. Since a unit does not operate under upset conditions continually, the factor must be adjusted to account for only the period of time, on an annual basis, that a unit operates under upset conditions. Please refer to the protocol document for a more detailed discussion of upset factors.

3 maximum emission rate and the upset

4 Congener group summed by Tetra Tech.

5 Congener group sum is an analytical result reported in the trial burn test or test burn.